NETIO-230

User Manual

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WARNING

Any changes to this equipment without permission may cause damages to your equipment! This equipment has been proved by CE & FCC to can be prevented from the influence of harmful electronic jamming in normal business use condition.

IMPORTANT NOTICE

1. We have no responsibility for the possible damage caused by improper usage or abnormal working environment.
2. Do not use NETIO-230 in strong shaking condition.
3. Please contact the dealer If NETIO-230 works improperly.

1 INTRODUCTION

NETIO-230 is a power controller which can be easily used in the industry field. With the remote network control technology, user can control or query the power supply of equipment.

User can do this from any computer connected to the internet or local area network, there is no special program needed, also there is no need to open the external case of the computer.

Try to imagine that while travelling in a foreign country, you can control the power supply of your electric equipments, such as a computer, server, router, an entrance guard or security / surveillance system directly or use a time schedule comes with the NETIO-230. You can remotely control the power switch with any computer connected to the network, which is not only convenient, but it can be also big saving on the manpower and time.

1.1 Features:

- Built in web server, can be used through the Ethernet/Internet network without a computer.
- Built in network browser interface, you can operate the power switch and check his state without any special software. Support multiple browsers, such as Internet Explorer, Netscape or Mozilla.
- Control 4 AC outlets at the same time.
- Supported HTTP, SMTP, fixed IP, DHCP, DDNS
- Security passwords authentication.
- Supported serial port communication, indicate all kinds of real time state of NETIO-230.
- Separated LED indicates the state of each power switch.
- SNMP is provided. It can be modified to meet the user's special need.
- Safely designed for high voltage resistance and protection for leakage of electrical currency, using non-flammable material

- It can be used either separately or together with other products of Koukaam like IPCorder (KNR series) for security monitoring, control and detection.

1.2 Electrical specification:

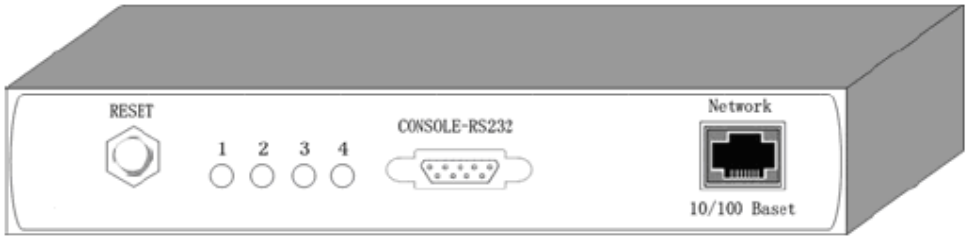
- Maximum rated voltage: 250V AC, 24V DC
- Maximum rated currency:
- Total for all outlets: 15A AC/DC,
- Individual for each outlet: 6A AC/DC
- Environment temperature: 0~ 70°C

1.3 Package contents

- One NETIO-230
- CD with IPEdit.exe tool and this manual

2 INTERFACE DESCRIPTION

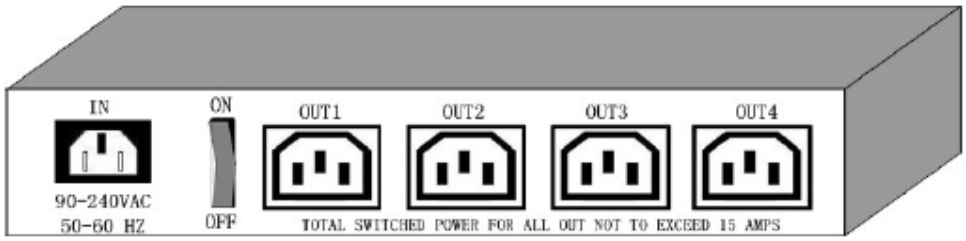
Front interface shown below:



From left to the right

1. RESET: self-protect AC reset button. NETIO-230 can cut off the power supply of outlets automatically in case of shortcut or overload. First solve the reason for shortcut or overload and then push the reset button, the AC power supply will be recovered.
2. 4 LED indicator lights. The light indicates the corresponding outlet is power on.
3. RS232 port: provide the power output state.
4. RJ45 Ethernet port: for the LAN connection.

Rear interface shown below:



Port description (from left to the right)

1. 90-240VAC power input port
2. Power switch: the main power switch of NETIO-230.
3. OUT 1- 4: 4 individually switched AC outlets

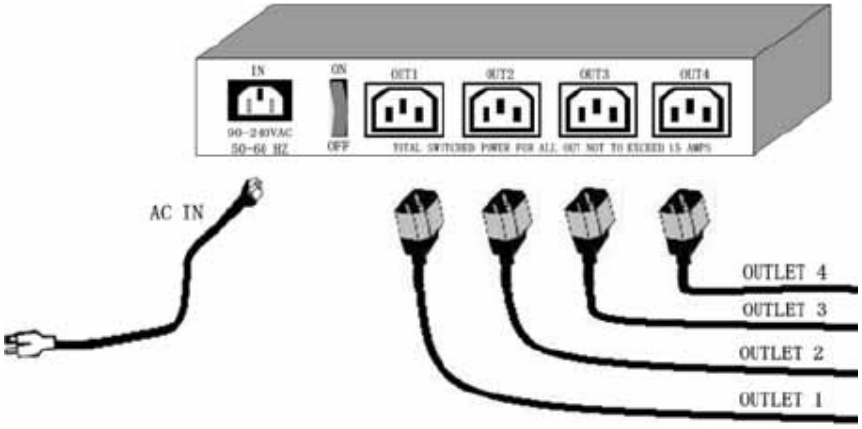
3 HARDWARE & SOFTWARE INSTALLATION

Before you star to use NETIO-230, please follow the steps below

1. Check the package to make sure the contents is complete.
2. Prepare some switch/router to connect with NETIO-230
3. Please confirm the specification of your power cable.
4. Please use the 10A power cable.

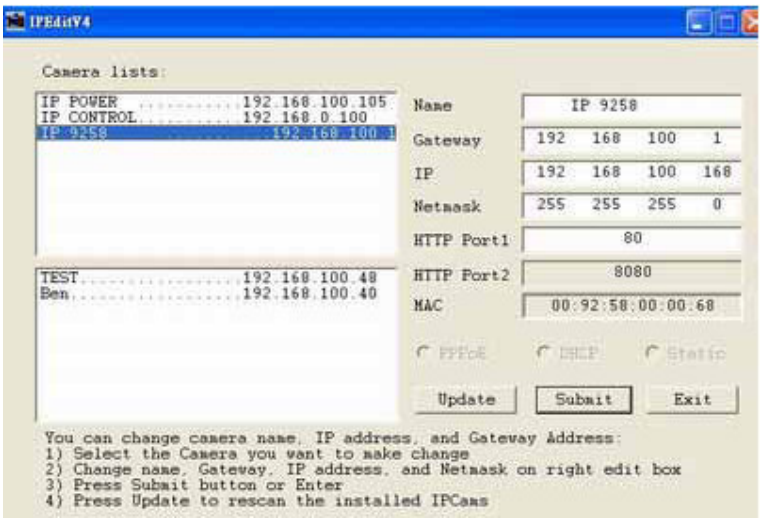
HARDWARE INSTALLATION

1. Connect NETIO-230 to switch/router with patch cable
2. Connect the NETIO-230 to 220V power outlet with appropriate cable.
3. Connect the powered devices with corresponding port of NETIO-230.
4. Turn on your computer and power switch of NETIO-230



SOFTWARE INSTALLATION

1. Start your computer, put the CD in the drive, then start the file named ipeditv3.exe.
2. Copy the file to your desktop or any directory you want it saved to.
3. Double click the EditV3.exe
4. The IPEdit tool can find many devices on network, NETIO-230 could be find as IP9258 or NETIO-230 in the list (depends on firmware version)
5. Click the device name that you want to edit in the left of the window; it will turn fuscous and the equipment's name and IP address will display on the right. You can change the settings. With the submit button, you can save the changes.
6. Double click the name of the equipment you want to control, your internet browser window will open and connect NETIO-230 automatically.
7. You also can type the IP address directly to the internet browser to open the web page of NETIO-230.



NOTICE

1. Make sure the RJ45 network wire have been connected correctly and the NETIO-230 are power on.
2. NETIO-230's default setting is fixed IP address: 192.168.10.100. The IP address of your computer should in the same subnet with that of NETIO-230's, so that you can open the control web page. In the figure above, the IP address of NETIO-230 is 192.168.100.168. You can make sure the IP address of your computer first, and then use the ipedit.exe to modify the IP address of NETIO-230.
3. If user can not enter the control web page, please set the IP address of NETIO-230 and your computer in the same subnet. User can obtain the computer's IP address, subnet mask, and default gateway through the following method.
4. The default username and password of NETIO-230 are: Username: admin Password: 12345678

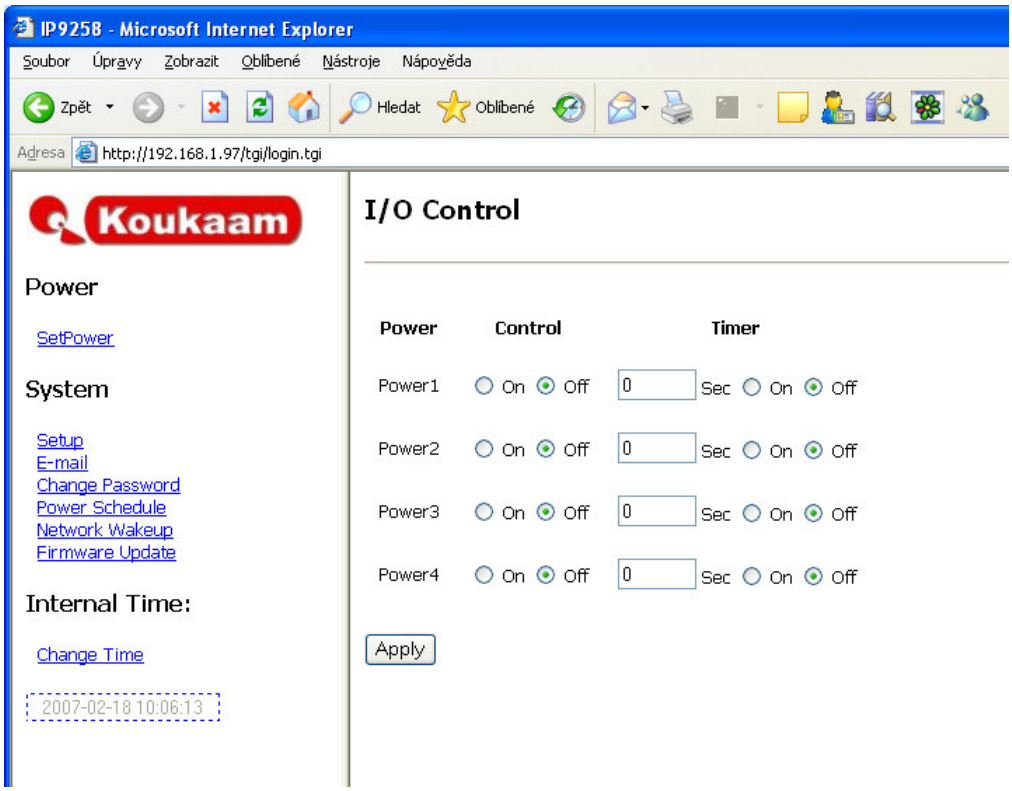
4 OPERATING NETIO-230

4.1 Login dialog

Type the new IP address of NETIO-230 in the address field of your internet browser and login page will be displayed. Enter your password/username (default password is 12345678) and you can then enter the Web Control page.

4.2 Control the power supply of outlets

Having entered the Web Control page of NETIO-230, click the SET POWER button on the left, you can enter the IO setting page as you can see below:



NETIO-230 can control 4 outputs individually at the same time. User can choose power on or power off with each power outlet.

You can fill in the corresponding columns delay time he wish in seconds; then choose the action after delay to be on or off.

Click Apply to change the status of the power outputs

Whenever you want to see the status of each outlet, just click on the "Set Power" link, the page will be refreshed. The state of each outlet will be displayed in column control.

4.3 System Settings of NETIO-230

On this page you can set the password, IP address, e-mail address, timer setting. Online firmware update can be done here, too.

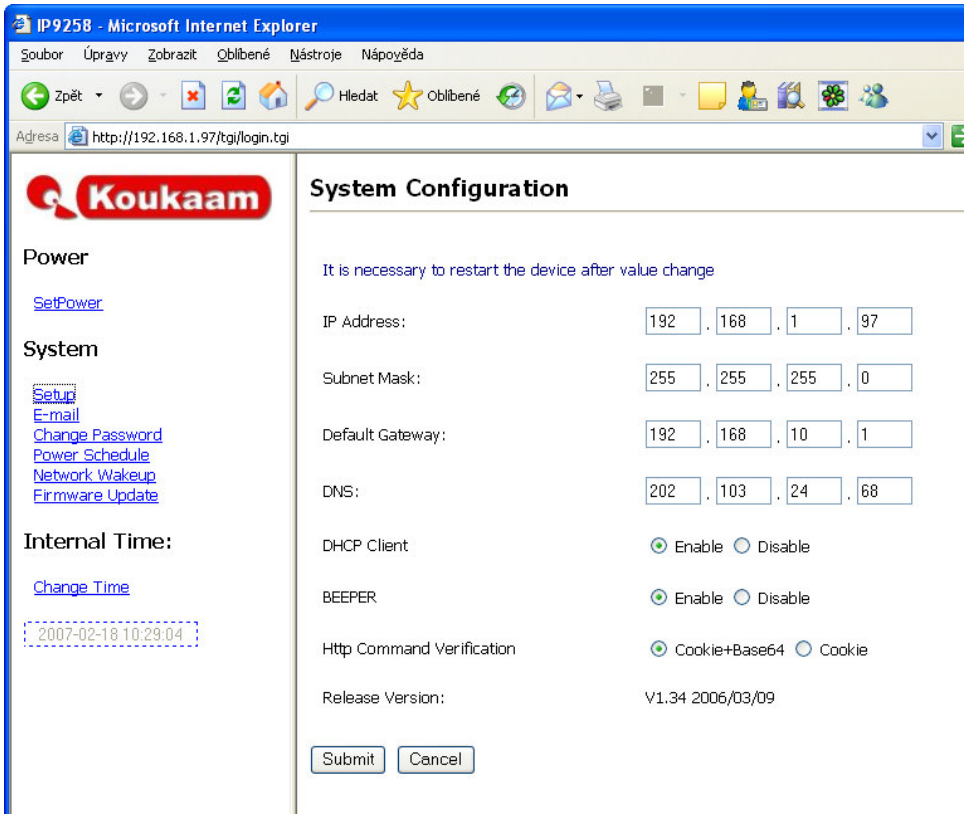
4.3.1 Setting the password for NETIO-230

Click the "Change password" button on the left and you will be able to change password. (Default password is 12345678).

User can change it into any password (not longer than 8 characters), then click apply button to save the change.

4.3.2 Setting the IP address for NETIO-230

Click the " Setup " button on the left side; fill in the proper IP address, Subnet Mask, Default Gateway, DNS. If you choose to use DHCP, please make sure that your network support DHCP service.



4.3.3 Connection in Local Area Network (LAN):

In LAN, you can set a fixed IP address or gain it from a DHCP server automatically. We suggest to use a fixed IP address in order to let the other computers can work with NETIO-230.

Now type the new IP address in the address field of internet browser. You also can use the ipedit.exe to find the NETIO-230 and modify its IP address.

Connection on Internet (WAN) :

User can set the IP provided by your ISP. If the NETIO-230 has a public IP address, you can control it through the Internet.

* IP Address: please type in the IP address provided by your ISP. If NETIO-230 is working behind a router, please refer to the network settings of the router.

* Subnet Mask: please type in the Subnet Mask provided by your ISP. If NETIO-230 is working with a router, please refer to the network settings of the router.

* Default gateway: please type in the Default Gateway provided by your ISP. If NETIO-230 is working with a router, please refer to the network settings of the Router.

* DNS Server: please fill in the IP address of DNS server.

* DHCP Clients: Enable– activates DHCP service. DHCP will assign IP address for each PC.

Disable – shut down the DHCP service. You can set the IP address by yourself.

* Beeper: Enable – activate the beeper. Disable – turn off the beeper.

NOTICE:

IP address format: xxx.xxx.xxx.xxx:yyyy. yyyy means the port number, ranging from 1 to 32767.

Subnet Mask: from 0 to 254 (xxx.xxx.xxx.0 ~ xxx.xxx.xxx.254)

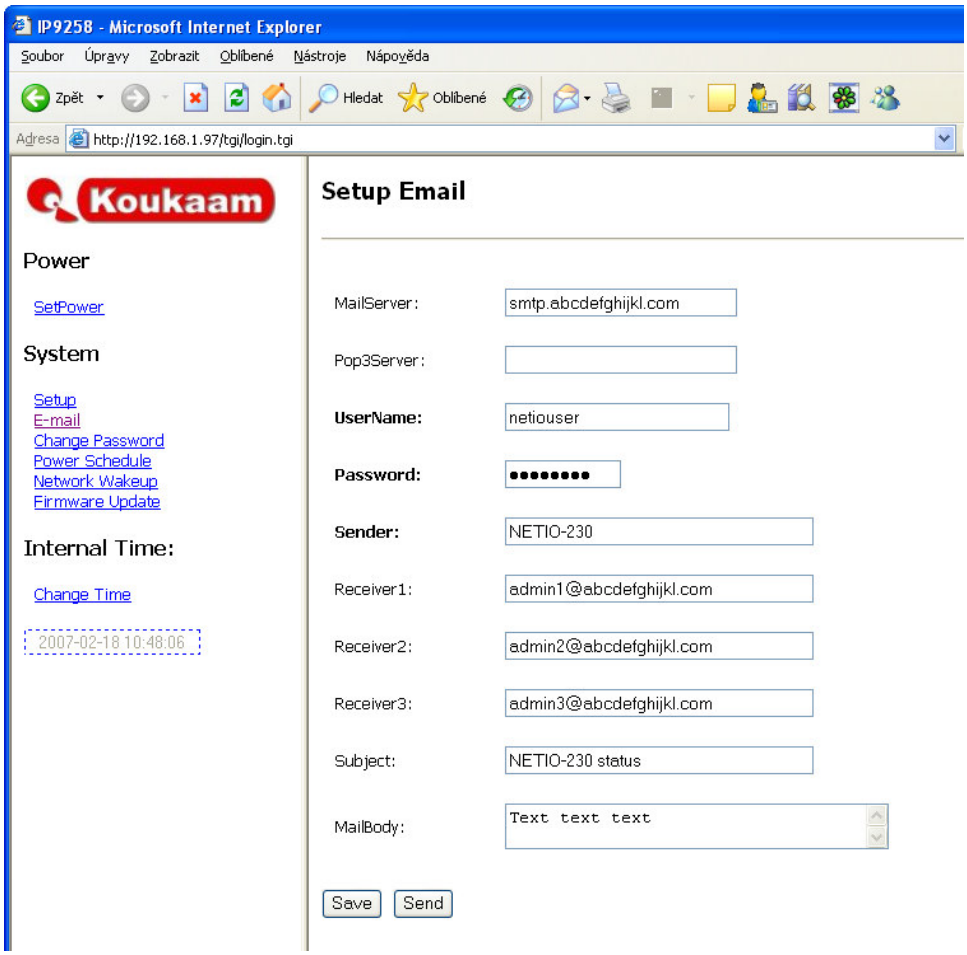
If DHCP is disabled, user must set the TCP Port and default Gateway. If DHCP is enabled, then the TCP port will be preset to 80(xxx.xxx.xxx.xxx:80) and the default gateway will be set by the DHCP server, too.

If the TCP port you set is not 80, your should type in the whole IP address and port in

IE or Netscape, such as http://xxx.xxx.xxx.xxx:yyyy, or you can use the ipedit.exe

4.3.4 EMAIL SETTINGS:

When you finished the e-mail settings, you can set to let NETIO-230 send its IP address automatically over email.



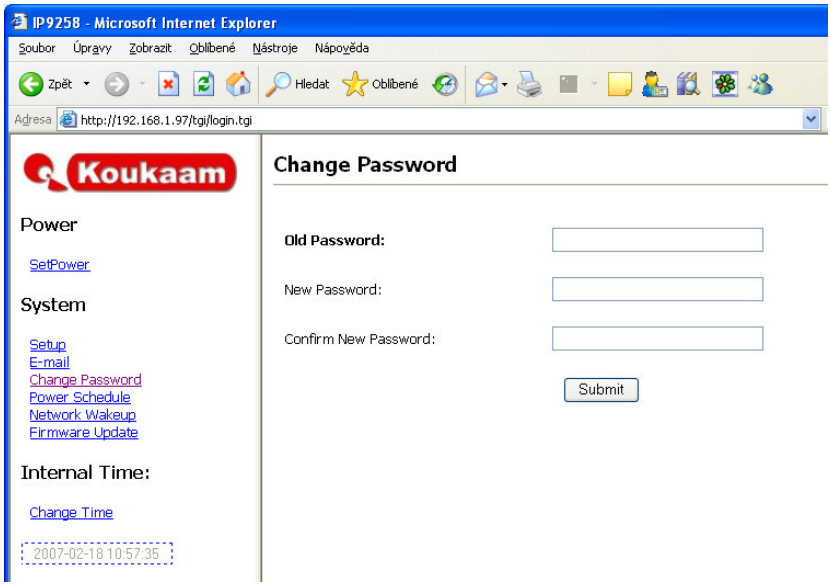
For example:
Mail Server: abc.com
Password : XXXXXX
Sender: 123@abcd.com
Receiver 1: 456@abcd.com
Receiver 2: 789@efgh.com
Receiver 3:
Subject: NETIO-230 IP address
MailBody : Update

1. Mail Server: the server sends the e-mail out.
2. Please make sure the server is an available mail server.
3. Password: the password of this mailbox is no longer than 8 English letters.
4. Sender: please fill in the name of sender. The Mail Server must support SMTP and these fields must be filled in correctly.
5. Receiver: no longer than 50 English letters. Please use blank space to separate two
6. Receiver's e-mail address: After you have finished this setting, you will receive the email to inform you the IP address of the NETIO-230 every time you enter the webpage.
7. Subject: the subject of the mail to be no more than 50 English letters.
8. Mail Body: please type the content of the mail here, it cannot be left empty.
9. After you have finished all of the above settings, click " SAVE " button to save your settings.

4.3.5 Change password

Click on Change password on left side and change password dialog will appear.

Type in current password, new password and confirm new password. Press submit and the changes will apply.

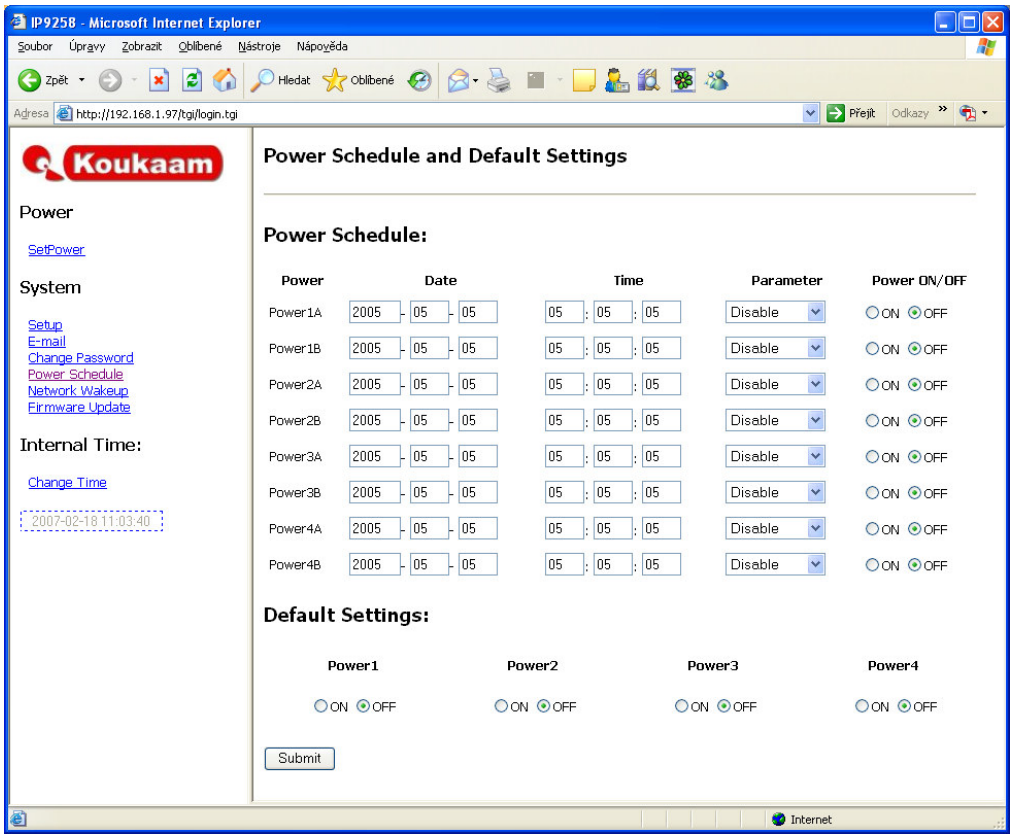


In case you forget the password, use during login username „super user", click submit and switch within 3 seconds NETIO-230 off. With this procedure, you setup the default password (12345678). Between "super" and "user" must be space left.

4.3.6 Control the NETIO-230 through Power Schedule :

User can control the time when NETIO-230 starts or stop through preset time schedule.

Click the power schedule on the left of the page; you can enter the time schedule setting


IP9258 - Microsoft Internet Explorer
Soubor Úpravy Zobrazit Oblíbené Nástroje Nápověda
Zpět Hledat Oblíbené
Adresa http://192.168.1.97/tgi/login.tgi
Přejít Odkazy
Koukaam
Power
SetPower
System
Setup
E-mail
Change Password
Power Schedule
Network Wakeup
Firmware Update
Internal Time:
Change Time
2007-02-18 11:03:40
Power Schedule and Default Settings
Power Schedule:
Power Date Time Parameter Power ON/OFF
Power1A 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Power1B 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Power2A 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Power2B 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Power3A 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Power3B 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Power4A 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Power4B 2005 - 05 - 05 05 : 05 : 05 Disable ON OFF
Default Settings:
Power1 Power2 Power3 Power4
ON OFF ON OFF ON OFF ON OFF
Submit
Internet

If user wishes to control the power in one outlet of NETIO-230, you can fill in the time in the power control column and choose on or off.

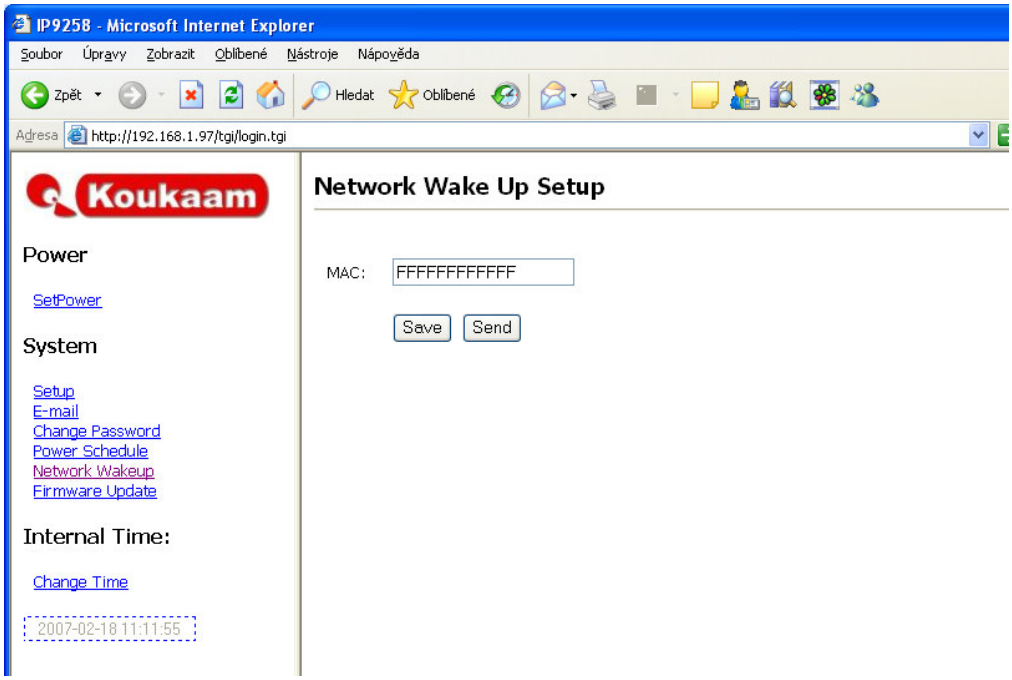
The valid values of the parameter and its meanings:

Value: meaning -> 0: disable;128: once;127: everyday;96: every weekend; 31: every workday.

4.3.7 Wake on LAN (WOL)

With WOL you can switch on previously switched off computers (if PC supports and is enabled).

In left side of webpage click on „Network Wakeup" link. Type in the address with numbers and letters only. No spaces. With save you send wake up command to your PC.



4.3.8 Firmware update:

1. User can gain more functions for NETIO-230 through firmware update.
2. Click the firmware update on the right side of the page; the following window will pop up.
3. Click update button, the following window will pop up.
4. Click the Brower button to find the corresponding update file (you can download it from our web site or ask it from the dealer), then click Update button to start update firmware. When the update is finished, you must wait one minute before you restart the NETIO-230.

Upgrade Firmware
Please select a file (~.bin) to upgrade :
Procházet...
Upgrade
(Upgrading firmware may take 60 seconds)
Upgrade must NOT be interrupted !

NOTICE:

* Before running the online update program, please make sure that the TCP port is set to 80, or the online update may fail.

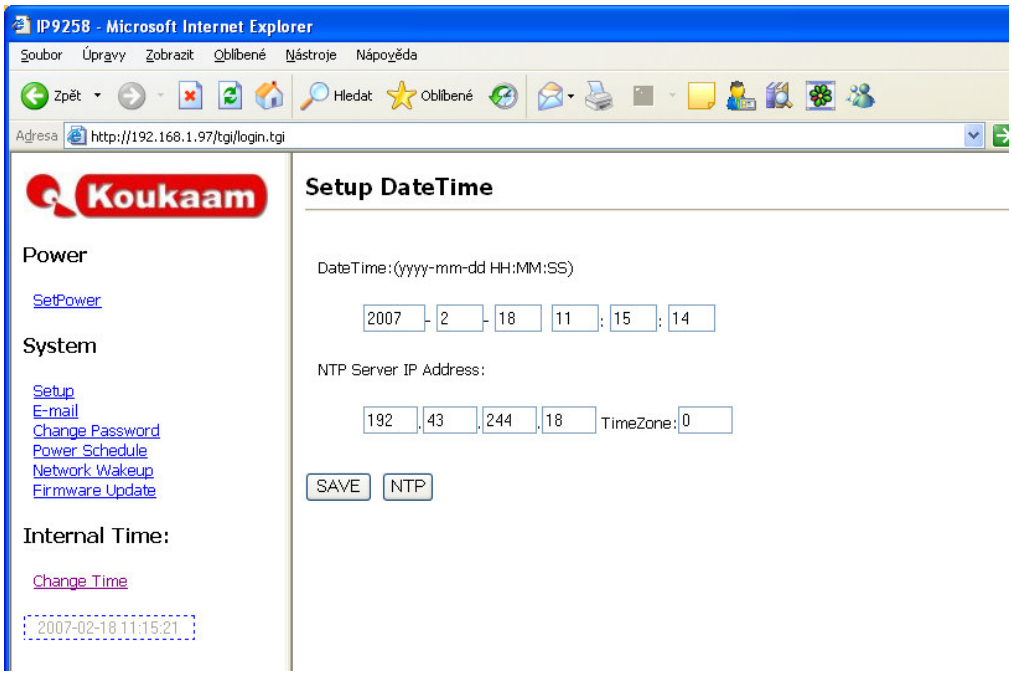
* If the update fails, you must enter the IP address before update and start the update procedure again.

* Please check with your reseller /distributor / importer for the update news.

4.3.9 Internal Clock Settings:

User can enter the internal clock settings through clicking the change time button on the left side of the web page.

Type in the year (4 digit), month (2 digit), date (2 digit), hour (2 digit), minute (2 digit), second (2 digit) in turn, then click set button to finish the setting.



5 APPENDIX

User manual is valid for Koukaam NETIO-230 and all other labels.